



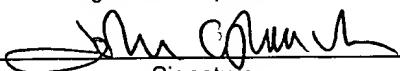
I hereby certify that this correspondence is being deposited with the United States Postal Service, with sufficient postage, as first class mail in an envelope addressed to: Commissioner for Patents  
Washington, D.C. 20231

December 4, 2001

Date of Deposit

John G. Rauch, Reg. No. 37,218

Name of applicant, assignee or  
Registered Representative



Signature

12/4/01

Date of Signature

Our Case No. 10506/7

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Manouchehr S. Rafie et al. )  
Serial No. 09/964,200 ) Examiner: To Be Assigned  
Filing Date: September 25, 2001 ) Group Art Unit: 2631  
For A COMBINED DIGITAL ADAPTIVE PRE- ) RECEIVED  
DISTORTER AND PRE-EQUALIZER SYSTEM )  
FOR MODEMS IN LINK HOPPING RADIO )  
NETWORKS )  
Technology Center 2600  
DEC 12 2001

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Pursuant to the obligation under 37 C.F.R. § 1.56 and in conformance with 37 C.F.R. §§ 1.97-1.99, Applicants hereby submit the references listed below and on the attached form PTO-1449 for consideration by the Examiner. A copy of each of the references is enclosed herewith.

## US PATENT DOCUMENTS

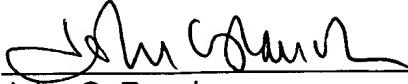
DOCUMENT NUMBER	DATE	NAME
4,462,001	7/24/1984	Girard
4,887,278	12/12/1989	Gupta
5,113,414	5/12/1992	Karam et al.
5,404,378	4/04/1995	Kimura
5,598,436	1/28/1997	Brajal et al.
5,699,383	12/16/1997	Ichiyoshi
5,768,317	6/16/1998	Fague et al.
5,778,029	7/07/1998	Kaufmann
5,870,431	2/09/1999	Easton et al.
5,903,611	5/11/1999	Schnabl et al.
5,937,011	8/10/1999	Carney et al.
6,072,364	6/06/2000	Jeckeln et al.
6,141,390	10/31/2000	Cova

The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, Applicants reserve the right to contest these references as prior art against the present application, and Applicants do not believe that the disclosure of this reference, even if finally determined to be prior art, anticipates Applicant's invention or that these references make Applicant's invention obvious.

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement. However, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

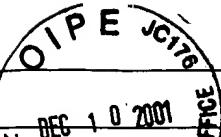
Applicants respectfully request that the Examiner review the entire disclosure of these documents and make them of record.

Respectfully submitted,



John G. Rauch  
Registration No. 37,218  
Attorney for Applicants

Dated: December 4, 2001  
BRINKS HOFER GILSON & LIONE  
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TRANSMITTAL LETTER					Case No: 10506-7
Serial No. 09/964,200	Filing Date September 25, 2001	Examiner To Be Assigned	Group Art Unit 2631		
Inventor(s) Manouchehry, Ramez et al.					
Title of Invention COMBINED DIGITAL ADAPTIVE PRE-DISTORTER AND PRE-EQUALIZER SYSTEM FOR MODEMS IN LINK HOPPING RADIO NETWORKS					

2631  
12-27-01  
12-27-01

TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is: Transmittal Letter (in duplicate); Information Disclosure Statement; PTO Form 1449; copies of references A1-A13 and post card evidencing receipt.

Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.

A verified statement to establish small entity status under 37 CFR §§ 1.9 and 1.27 is enclosed.

Petition for a \_\_\_\_\_ month extension of time.

No additional fee is required.

The fee has been calculated as shown below:

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Technology Center 2600

	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra
Total		Minus		
Indep.		Minus		
First Presentation of Multiple Dep. Claim				

Small Entity		or	Other Than Small Entity	
Rate	Add'l Fee		Rate	Add'l Fee
x \$9=			x \$18=	
x 39=			x \$78=	
+\$130 =			+\$260=	
	Total add'l fee	\$		total add'l fee \$

Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is enclosed.

A check in the amount of \$ \_\_\_\_ to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

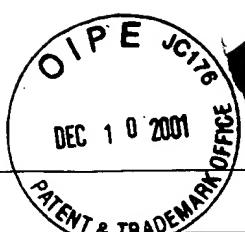
Respectfully submitted,

  
John G. Rauch  
Registration No. 37,218  
Attorney for Applicants

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Date: 12/4/01 Signature: 



FORM PTO-1449 <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b> (use several sheets if necessary)	SERIAL NO. 09/964,200	CASE NO. 10506/7
	FILING DATE September 25, 2001	GROUP ART UNIT 2631
APPLICANT(S): Manouchehr S. Rafie et al.		

**REFERENCE DESIGNATION**
**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
A1	4,462,001	7/24/1984	Girard		
A2	4,887,278	12/12/1989	Gupta		
A3	5,113,414	5/12/1992	Karam et al.		
A4	5,404,378	4/04/1995	Kimura		
A5	5,598,436	1/28/1997	Brajal et al.		
A6	5,699,383	12/16/1997	Ichiyoshi	RECEIVED	
A7	5,768,317	6/16/1998	Fague et al.	DEC 12 2001	
A8	5,778,029	7/07/1998	Kaufmann		
A9	5,870,431	2/09/1999	Easton et al.	Technology Center 2600	
A10	5,903,611	5/11/1999	Schnabl et al.		
A11	5,937,011	8/10/1999	Carney et al.		
A12	6,072,364	6/06/2000	Jeckeln et al.		
A13	6,141,390	10/31/2000	Cova		

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO
A					
A					
A					
A					
A					

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)
A	
A	
A	
A	
A	

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.